

Amendments to the Abstract are as follows:

A solution is to provide a tire air pressure monitor includes comprising: tire air pressure sensors and transmitters proximate to which are respectively annexed to tires; ~~two~~ receiving antennas which receive ~~a~~ transmitting signals from ~~each of the~~ transmitters; phase shifters which shift signal phases received from the ~~receiving~~ antennas ~~respectively~~ by control voltages; a synthesizer which synthesizes outputs from the phase shifters; and a meter which detects an output level from the synthesizer, ~~wherein, the two receiving antennas are arranged so that receiving phase differences between the receiving antennas as to the transmitting signal from each of the transmitters are made different, and~~ the control voltages for the phase shifters are ~~respectively~~ obtained in advance, which maximizes the output level from the synthesizer dependent on the ~~, as to respective~~ tire mounting positions, ~~and stores~~ An association table relates ~~ing each of~~ the tire mounting positions to the control voltages, and the control voltages are controlled so that the output level from the synthesizer is maximized with respect to a transmitting signal from any one of the tire mounting positions, ~~and each of the~~ the tire mounting positions is identified by comparing values of the control voltages thus controlled, ~~with the association table.~~